

Fig. 1



Hermite-Gaussian  
mode VCSEL:  
Fig. 2a

Laguerre-Gaussian  
mode VCSEL:  
Fig. 2b

Fig. 3a

1

2

Fig. 3b



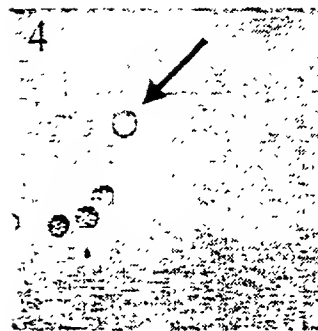
Fig. 3c

3



4

Fig. 3d



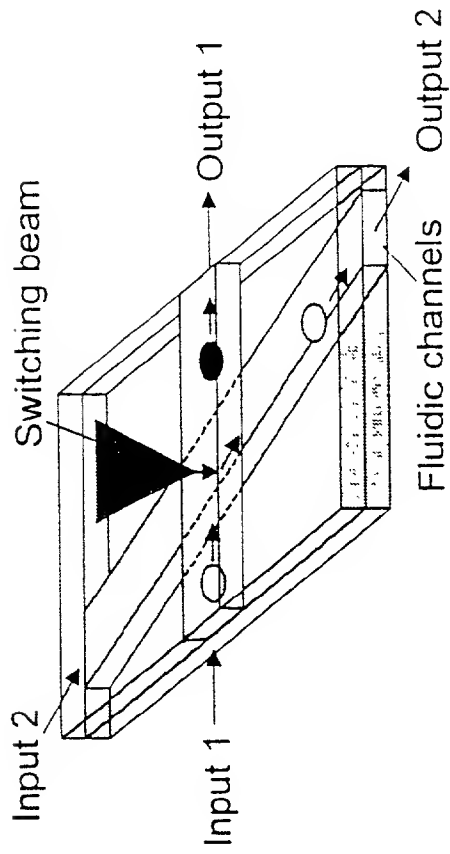


Fig. 4a

Side view:

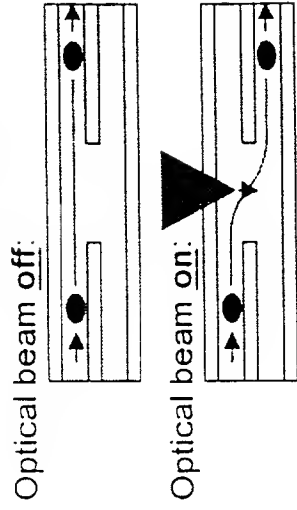


Fig. 4b

Fig. 4c

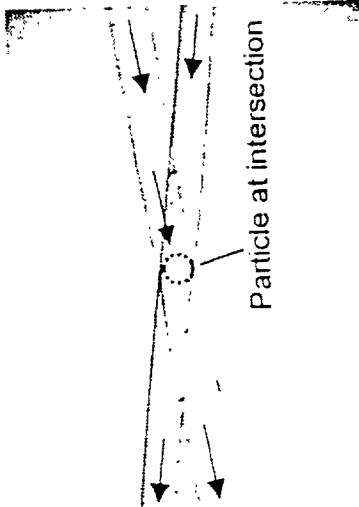


Fig. 9a

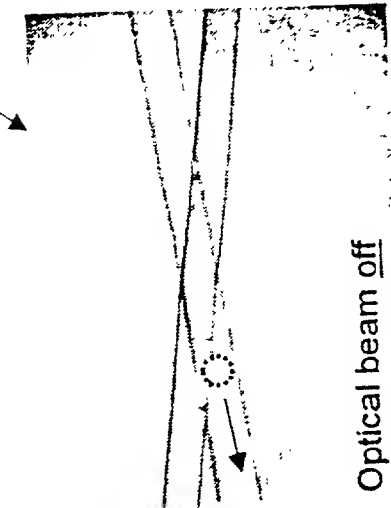


Fig. 5b

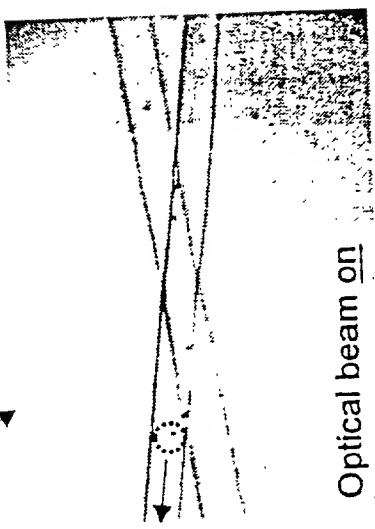


Fig. 5c

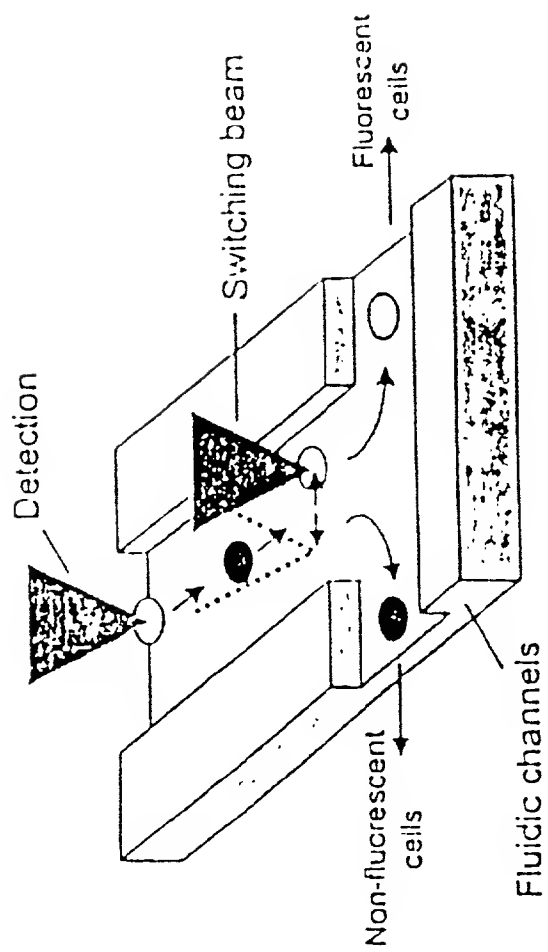
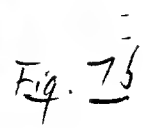
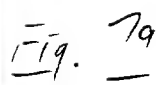


Fig 6

9



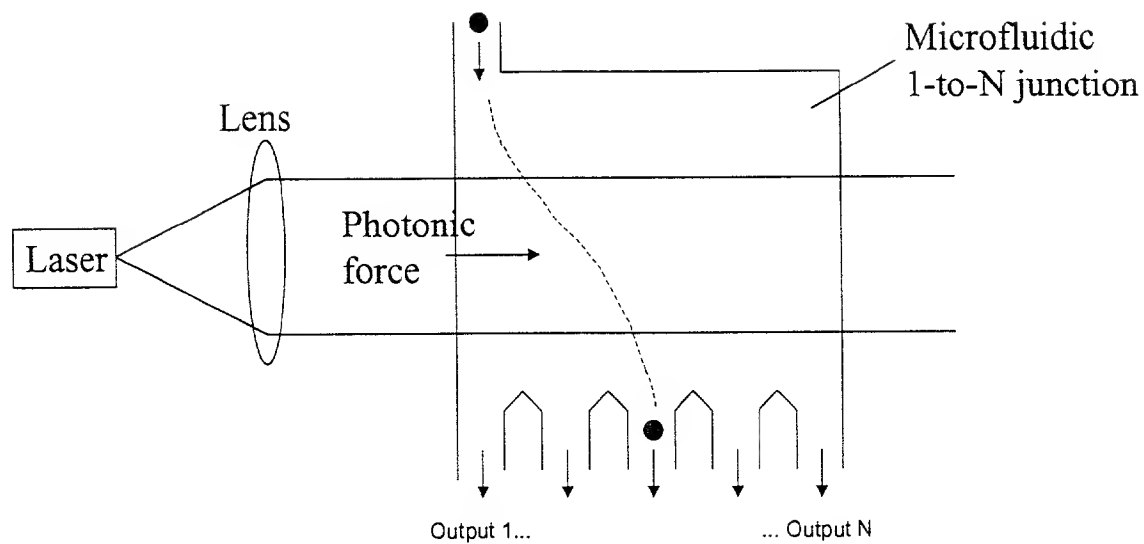


Figure 7.6 1-to-N optically-switched microfluidic junction

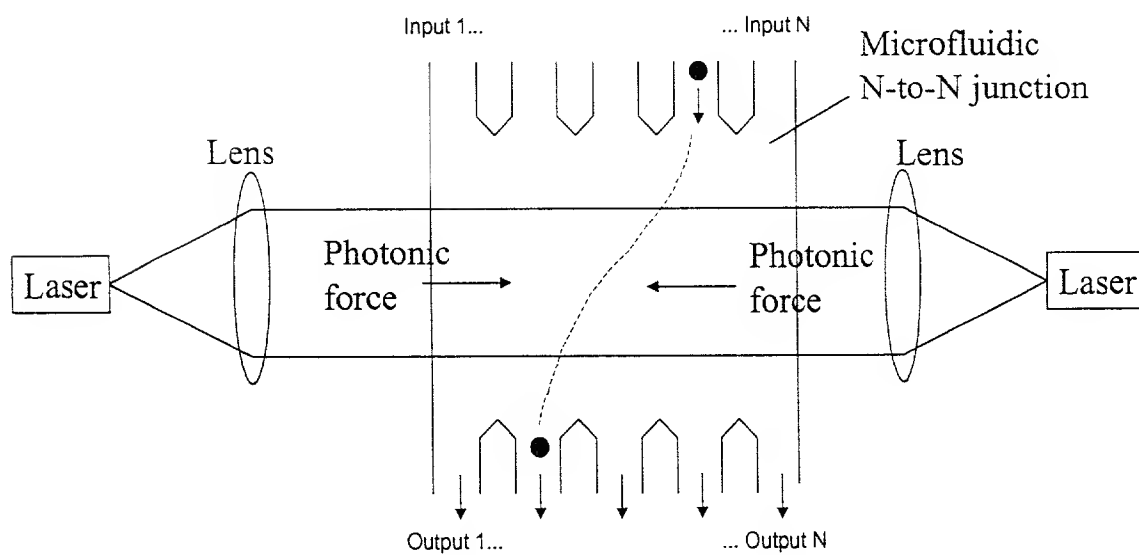


Figure 7.7 N-to-N optically-switched microfluidic junction

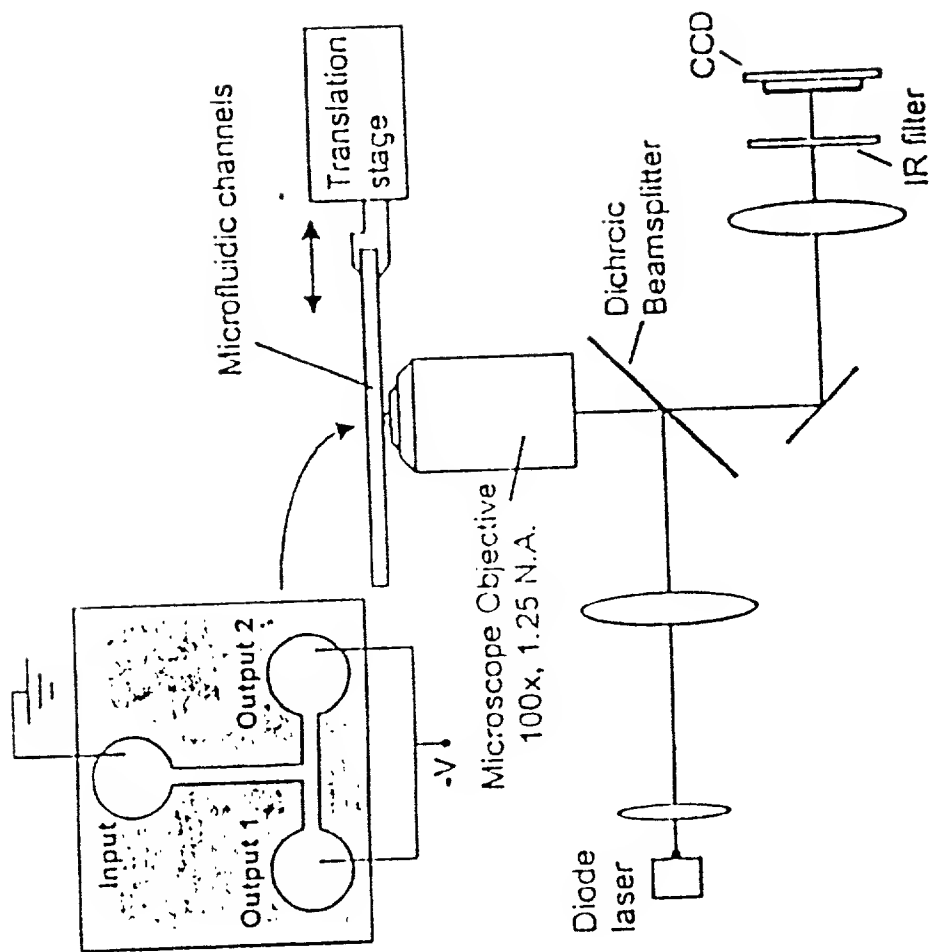


Fig. 8



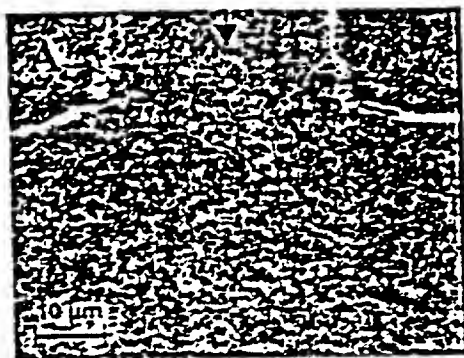


Fig. 9a

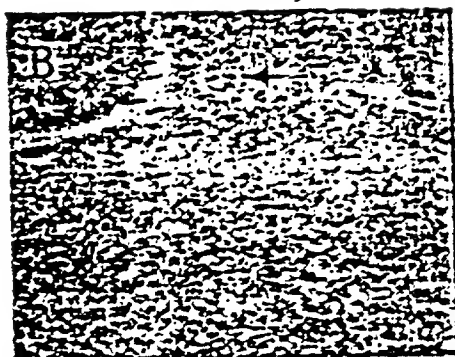


Fig. 9b

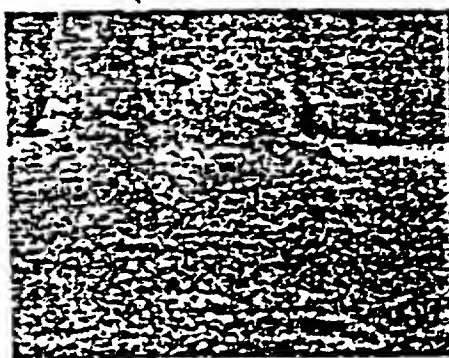


Fig. 9d

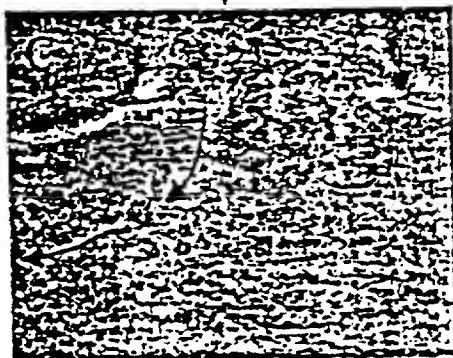


Fig. 9c

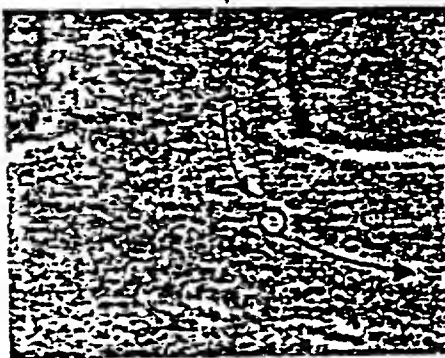


Fig. 9e